

Receiving Report

Date: 1/17/29
 Supplier: BEARW

Batch No: M 29930
 Dart P/O: 20179

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☐ No ☒ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☐

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO25179**

Purchase Order Date 7/28/2014

PO Print Date 7/28/2014

Page Number 1 of 2

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FORM 100

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS17984-C405	Pin, Quick Release	7/30/2014 Yes 7/30/2014	FN	12.00 Each	\$16.27	\$195.24
Line Total:							\$195.24
2	71401-45		7/30/2014 No 7/30/2014		1.00	\$0.00	\$0.00
Procurement Quality Clauses							
A005 RIGHT OF ENTRY							
A012 CHEMICAL AND PHYSICAL TEST REPORTS							
A016 PERSONNEL QUALIFICATION							
A026 CERTIFICATION OF MATERIAL CONFORMANCE							
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT							
A033 STATEMENT OF CONFORMITY/TEST RECORDS							
FOR NAS, AN and MS FASTENERS							
A040 NOTIFICATION OF QUALITY ESCAPE							
A041 QUALITY MANAGEMENT SYSTEM							
A042 DART NOTIFICATION BY SUPPLIER							
A043 RETENTION OF QUALITY DOCUMENTS							

Note:

7/28/2014



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 9835 NW 14TH ST, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO25179

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
1	12 EA		MS17984C405		12778.0	AVIBANK MFG.		84256	


Jason Lewis
Vice President of Quality

07/28/14

** DEARS ** ** CERT Q13-P **



AVBANK
M.F.B.N.E.

SPS FASTENERS DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

PACKING SLIP

SHIPPER

DATE SHIPPED

09/17/12

PAGE	OF	DATE ENTERED	SALES ORDER NO.
1	2	07/19/12	594433-7798

B 103866
I B/E AEROSPACE (M & M)
L P.O. BOX 025263
L 10000 N.W. 15TH TERRACE (PLANT)

T MIAMI, FL
O USA 33102-5263

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P

T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO.	CONTRACT NUMBER	RATING	ORDERED BY	REC'D BY	TERRITORY NO.
0JY77			ROHAN	GLE	124

PIS	CERT	INV	DD 250 REQ'D	PRES PKG REQ'D	RESALE OR TAX	VAR %	TYPE OF INSPECTION	TERMS	FREIGHT
0	1	1	3	N	N	R		1/2% 10, NET 30	NOHO/COLLECT

SHIPPED VIA:

FEDEX GROUND

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO. BACKORDERED
002	1000	E	FEDEX ACCT# 0331-0149-0 QAP 33.0 CLAUSES A,A.1B,C,E,H,P,U,V APPLY *** 3 LOT MAX *** BLC4BA05S MS17984C405 SHIP#: 1 QTY : 205 LOT:1280073 DUE : AREA :NS AISLE :D SEC:14 SHELF SHIP#: 1 QTY : 170 LOT:1280074 DUE : AREA :NS AISLE :E SEC:19 SHELF SHIP#: 1 QTY : 538 LOT:1277850 DUE : AREA :NS AISLE :E SEC:19 SHELF SHIP#: 1 QTY : 87 LOT:1277852 DUE : AREA :NS AISLE :D SEC:17 SHELF	0
002.1	1	L	270-CERT Q13-P CHEM & PHY CERTS 002 SHIP#: 1 QTY : 1 LOT: AREA : AISLE : SEC:	0

PULLED BY	SHIPPED BY	SHIP VIA	DATE SHIPPED	WAYBILL/OTHER INFO	NO. OF PKGS.	WEIGHT
	Sp	FEDEX	9-20-12			

NOTICE - IF INVOICE IS NOT RECEIVED WITHIN 10 DAYS OF SHIPMENT, PLEASE NOTIFY US IMMEDIATELY.

ANY CLAIM SHORTAGES OR ADJUSTMENTS MUST BE MADE WITHIN 10 DAYS FROM RECEIPT OF GOODS. "WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, & 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF." NO OZONE DEPLETING SUBSTANCES USED IN PROCESSES. PARTS ARE MERCURY FREE OF CONTAMINATION.

WI-14-AMS-004 REV:NC

DEARS CERT Q13-P



AVIBANK
MFG. INC.

SPS FASTENERS DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.



PACKING SLIP

SHIPPER

DATE SHIPPED

09/17/12

PAGE	OF	DATE ENTERED	SALES ORDER NO.
2	2	07/19/12	594433-7798

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L 10000 N.W. 15TH TERRACE (PLANT)
T MIAMI, FL
O USA 33102-5263

S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P
T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO. 0JY77				CONTRACT NUMBER				RATING		ORDERED BY ROHAN		REC'D BY GLE		TERRITORY NO. 124	
P/S		CERT	INV	DDT/NO REQ'D	RES PKG REQ'D	RESALE OR TAX	VAR %	TYPE OF INSPECTION		TERMS 1/2% 10, NET 30		FREIGHT NOHO/COLLECT			
0	1	1	3	N	N	R									
SHIPPED VIA FEDEX GROUND															

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO BACKORDERED		
			<p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>			
PULLED BY	SHIPPED BY	SHIP VIA	DATE SHIPPED	WAYBILL/OTHER INFO.	NO. OF PKGS.	WEIGHT
	120	Fed. Ex.	9-20-12		1	

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NO OZONE DEPLETING SUBSTANCES USED IN PROCESSES. PARTS ARE MERCURY FREE OF CONTAMINATION.

WI-14-AMS-004 REV:NC

DEAR *** CERT Q13-P ***



AVIBANK
MFG. INC.
SPS FASTENERS DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED

09/17/12

PAGE	OF	DATE ENTERED	SALES ORDER NO.
1	2	07/19/12	594433-7798

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L 10000 N.W. 15TH TERRACE (PLANT)

T MIAMI, FL
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S B/E AEROSPACE CONSUMABLE MGMNT
H 9835 NW 14TH ST
I
P

T MIAMI, FL
O USA 33172

CUSTOMER ORDER NO. 0JVV77				CONTRACT NUMBER				RATING		ORDERED BY ROHAN		REC'D BY GLE		TERRITORY NO. 124	
P/E		CERT	INV	DO-250 REQ'D	PRES PKG REQ'D	RESALE OR TAX	VAR %	TYPE OF INSPECTION			TERMS 1/2% 10, NET 30			FREIGHT NOHO/COLLECT	
0		1	1	3	N	N	R								
SHIPPED VIA FEDEX GROUND															
ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION										NO. BACKORDERED		
002	1000	E	FEDEX ACCT# 0331-0149-0 QAP 33.0 CLAUSES A,A.1B,C,E,H,P,U,V APPLY *** 3 LOT MAX *** BLC4BA05S MS17984C405 SHIP#: 1 QTY : 205 LOT:1280073 DUE : AREA :NS AISLE :D SEC:14 SHELF SHIP#: 1 QTY : 170 LOT:1280074 DUE : AREA :NS AISLE :E SEC:19 SHELF SHIP#: 1 QTY : 538 LOT:1277850 DUE : AREA :NS AISLE :E SEC:19 SHELF SHIP#: 1 QTY : 87 LOT:1277852 DUE : AREA :NS AISLE :D SEC:17 SHELF										0		
002.1	1	L	270-CERT Q13-P CHEM & PHY CERTS 002 SHIP#: 1 QTY : 1 LOT: AREA : AISLE : SEC:										0		
PULLED BY		SHIPPED BY		SHIP VIA		DATE SHIPPED		WAYBILL/OTHER INFO				NO. OF PKGS		WEIGHT	
		GP		FedEx		9-20-12									

We hereby certify that all materials used in the manufacture of parts covered by this report conform to the material specifications called for by the above purchase order. We further certify that the parts are manufactured in accordance with applicable drawings or specifications current on the date on which the order was placed. Test reports covering materials in these parts, and indicating conformance with applicable specifications, are on file and subject to examination. No ozone depleting substances were used in processes. Parts are mercury free of contamination.

WI-14-AMS-004 REV:NC

AVIBANK MFG. INC.

BY: *Subramanian*
AUTHORIZED QUALITY CONTROL REPRESENTATIVE

DEARS ** ** CERT Q13-P **



AVIBANK
MFG. INC.

SPS FASTENERS DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605

PHONE: (818) 392-2100 • FAX: (818) 255-2094

No ozone depleting substances used in processes.

CERTIFICATE OF CONFORMANCE

SHIPPER

DATE SHIPPED
09/17/12

PAGE	OF	DATE ENTERED	SALES ORDER NO.
2	2	07/19/12	594433-7798

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CUSTOMER ORDER NO.				CONTRACT NUMBER				RATING	ORDERED BY	REC'D BY	TERRITORY NO.
0JWY77									ROHAN	GLE	124
P/S	CERT	INV.	DO 250 REQ'D	PRES PKG REQ'D	RESALE OR TAX	VAR %	TYPE OF INSPECTION		TERMS	FREIGHT	
0	1	1	3	N	N	R			1/2% 10, NET 30	NOHO/COLLECT	

SHIPPED VIA

FEDEX GROUND

ITEM NO.	NO. SHIPPED	UNITS	PART NUMBER / DESCRIPTION	NO. BACKORDERED
			<p>TO OUR VALUED CUSTOMERS A RETURN MATERIAL AUTHORIZATION (RMA) NUMBER IS REQUIRED FOR ALL PRODUCTS RETURNED TO AVIBANK TO REQUEST A RMA NUMBER CONTACT YOUR AVIBANK SALES ASSOCIATE AT 818/392-2100</p> <p>THESE COMMODITIES WERE EXPORTED FROM AVIBANK MFG., INC. IN ACCORDANCE WITH EXPORT ADMINISTRATION REGULATIONS OR INTERNATIONAL TRAFFIC IN ARMS REGULATIONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED. COMPLIANT WITH DFARS 252.225.7014 ALT 1</p>	
PULLED BY	SHIPPED BY	SHIP VIA	DATE SHIPPED	WAYBILL/OTHER INFO.
	SP	FEDEX	9-20-12	
NO. OF PKGS.		WEIGHT		

We hereby certify that all materials used in the manufacture of parts covered by this report conform to the material specifications called for by the above purchase order. We further certify that the parts are manufactured in accordance with applicable drawings or specifications current on the date on which the order was placed. Test reports covering materials in these parts, and indicating conformance with applicable specifications, are on file and subject to examination. No ozone depleting substances were used in processes. Parts are mercury free of contamination.

WI-14-AMS-004 REV:NC

AVIBANK MFG., INC.

BY: *Samuel P. [Signature]*
AUTHORIZED QUALITY CONTROL REPRESENTATIVE



AVIBANK

SPS FASTENERS DIVISION, A PCC COMPANY

11500 SHERMAN WAY • NORTH HOLLYWOOD, CA 91605
PHONE: (818) 392-2100 • FAX: (818) 255-2094

CERTIFIED TEST REPORT

1 of 1

CUSTOMER: B/E AEROSPACE (M & M)

SHOP ORDER NO./WORK ORDER NO.: 1277850

CUSTOMER P/N: MS17984C405

CUSTOMER P.O.: 0JVV77

QTY. SHIPPED: 538

AVIBANK P/N: BLC4BA05S RV. N

PART NAME: S/A STANDARD

PROCUREMENT SPEC: NASM23460

BODY WO.: 1275932 QTY. MFG'D: 777

PROCESS	PROCESSOR	TYPE/CLASS	SPECIFICATION
ANODIZE	JESSE'S PLATING, PACOIMA, CA.	II/2	MIL-A-8625 'F'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	CH900	AMS2759 'E'
HEAT TREAT	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	HRC 40 MIN	AMS2759 'E'
PASSIVATE	AVIBANK MFG., INC., NO. HOLLYWOOD, CA.	2	AMS2700 'E'

NO.	* BOLT TENSILE (LBS.)	TORQUE (IN LBS.)	* RETAINING DEVICE TENSILE (LBS.)	** SHEAR (LBS.)
1.	N/A	N/A	297 NF	TOO SHORT TO SHEAR
2.	N/A	N/A	304 NF	"
3.	N/A	N/A	316 NF	"
4.				
5.				
REQT.	N/A MIN.	N/A MIN.	230 MIN.	9,200 MIN.

* BF = BALL HOLE FAILED. * TF = THREADS FAILED. * NF = NO FAILURE. ** (S) = SINGLE SHEAR. ** (D) = DOUBLE SHEAR.

OTHERS: THESE PARTS WERE LAB TESTED PER 'NAS' REQTS AND FOUND ACCEPTABLE.
SALES ORDER NO. 594433-7798.

AVIBANK MFG., INC. CERTIFIES THAT THE PARTS LISTED ABOVE WERE MANUFACTURED IN COMPLIANCE WITH YOUR PURCHASE ORDER. ALL TEST AND INSPECTION REPORTS ARE ON FILE AT AVIBANK FOR VERIFICATION.

AUTHORIZED SIGNATURE:
WI-03-CTR-005 rev NC

Norma Castanaza
NORMA CASTANAZA Q.C. CLERK



DATE: 09/17/12



ALARD Machine Products
1629 West 132nd Street, Gardena, CA 90249-2005
Phone: (310) 323-4374
Fax: (310) 323-6031
www.alardmachine.com

4-20-12

CERTIFICATE OF CONFORMANCE

CUSTOMER

Alband MFG

PURCHASE ORDER NO.

722331

PART NO.

16-4C

REV. AC

BUYER

Carlos Figueroa

ALARD SHIPPER NO.

85664

QTY.

20010

ALARD SALES ORDER NO.

21912-1

ALARD SHOP ORDER NO.

21912-1

This is to certify that articles delivered under this shipper conforms to all applicable drawings and specifications furnished with or referenced in the above order, except for materials supplied by purchaser. Chemical and/or physical test reports and other evidence of conformance with the specifications are on file and subject to examination for a period of 10 years from date of shipment.

During the manufacturing processes, tests and inspections, this product has not come in contact with mercury or any of it's compounds, nor with any mercury containing device employing a single boundary of containment without specific approval of the purchaser. This requirement has been passed on to all sub-contractors.

By:

[Signature]
AUTHORIZED ALARD REPRESENTATIVE

Date:

4-18-12

INSPECTOR
TITLE

CERT REVIEW

MAIN LOT # 1277850, 1277852

1280073 1280074

COMPONENT LOT #

K B20070

NAME

SHOULDER RING

CLERK: GV NC DS DS

Industrial Steel & Wire Co.

12906 TELEGRAPH SANTA FE SPGS, CA 90670 562/320-0540

MATERIAL CERTIFICATION

101743-00 10/06/11
PAGE 1

SOLD TO

AVIBANK MFG. CO.

SHIP TO

AVIBANK MFG. CO.
11500 SHERMAN WAY

P.O. BOX 9909

NO HOLLYWOOD CA 91607

NO. HOLLYWOOD, CA 91605

CUSTOMER P.O. NO.

712605

CUSTOMER NO.

A9990

SHIP TO NO.

A9991

085017BT

.0850"17-7 PH STAINLESS COND C CNT CLS

NET WEIGHT MERCURY FREE

TENSILE

1003 E110244

251500C

314000CH

C
.003

Mn
.850

P
.026

S
.001

Si
.267

Cr
16.660

Ni
7.660

Al
.860

Mo
.170

Cu
.266

.000

.000

.000

.000

.000

.000

** MERCURY FREE

ROCKWELL #1

ROCKWELL #2

YIELD-STRENGTH ELONGATION REDUCTION
000000C/000000CH

BRINELL/KNOOP BENDS GRAINS (06) CNT

SALT HRS TORSION H-TARIFF NAFTA
7223.00

*** SPECIFICATIONS ***

ASTM A313-10

AMS 5678-F

MELT: GB UNITED KINGDOM

ORIG: GB UNITED KINGDOM

MILL: INDUSTRIAL ALLOYS

DFAR: Y

ROHS: Y

REBECCA HAGEMAN

TECHNICAL DATA MANAGER
INDUSTRIAL STEEL & WIRE CO.

LOT#1181702
10-11-11

CERT REVIEW

MAIN LOT #

1277850, 1277852

COMPONENT LOT #

KB20127

NAME

RING

CLERK: GV NCX DS

MATERIAL CERTIFICATION

Attn: Carmen
FROM:
LORI

P. 01/01

FAX NO. 5623200546

Wire

Industrial Steel & Wire

OCT-06-2011 THU 01:20 PM



Certified Inspection Report

02/28/12
12:35:41

Alcoa Inc.
Massena Operations
Park Avenue East, Massena, NY 13662



Customer **Bralco Metals** Customer P.O. No. **43-100781** Customer Part No. **MMC-A1954 -002** Alcoa Order No. **MMC-A1954 -002** Govt. Contract No.

Ship To **Bralco Metals**
15090 Northam St
La Mirada, CA 90638

We hereby certify that the material covered in this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, or as previously agreed to with customer and that samples representative of the material met the composition limits and have the mechanical properties shown on the face of this sheet. Manufactured under an ISO/TS 16949 registered quality management system. Melted and manufactured in the USA.

Thomas J. Klemp
Thomas J. Klemp, Quality Assurance Manager

Date Shipped **02/28/12** Weight Shipped **1,054 lbs** Product **CFRB-SMS-ROD DIA. X 12 FT** BOL **000160095**
Alloy - Temper **2024-T351** Size **0.8125 IN** Shape **DIA** Config **12 FT** QRR

Specifications:

AMS 4120R (Except Marking) ✓
AMS-QQA-225/6A
Material conforms to T4 requirements
QA-225/6E (1)
ASTM B211-03

Product produced and marked to the requirements of AMS-QQ-A-225/6 also meets the requirements of QQ-A-225/6. ✓
Product produced and marked to the requirements of QQ-A-225/6 also meets the requirements of AMS-QQ-A-225/6.

CERT REVIEW

MAIN LOT #

1277850, 1277852

COMPONENT LOT #

F320134

TEST REQUIREMENTS		Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
		U.T.S.	T.Y.S.	%Elong							
Max:											
Min:		62.0	45.0	10.0							

TEST RESULTS		Test	Test	Test	Test	Test	Test	Test	Test	Test	Test
		U.T.S.	T.Y.S.	%Elong							
Lot / Work Order											
MA20113608											
Max:		70.2	52.4	21.0							
Min:		69.6	51.9	20.0							

When 2 or more tests per lot are made, the highest and lowest values are reported.
Analysis obtained from one or more samples in this lot.

TEST ABBREVIATIONS

U.T.S. Ultimate Tensile Strength KSI T.Y.S. Tensile Yield Strength KSI %Elong Elongation % in 2"

Aluminum Association Chemical Composition Limits (in Weight %)

ALLOY	MAX	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%Others	%Others	%AL			
2024	MIN	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.75	Rem			
				3.8	0.30	1.2				Each	Total				

Actual Started Chemistry

LOT/WORK ORDER	MAX	%SI	%FE	%CU	%MN	%MG	%CR	%ZN	%TI	%OE	%OT	%AL			
MA20113608	MIN	0.09	0.27	4.6	0.64	1.5	0.03	0.14	0.03	LT 0.05	LT 0.15	Rem			
		0.08	0.25	4.3	0.62	1.4	0.02	0.09	0.02						

NOTES:

Mercury is not a normal contaminant in aluminum alloys and neither it nor any of its compounds are used in the manufacture of our product.
This alloy meets the requirements of EU 2002/95/EC (RoHS) and EU 2000/53/EC for lead, mercury, cadmium and hexavalent chromium.



Q. C. Review

Sig. *N. M. M.*

Date **4/9/12**

LOT# 1248221

Page 1

THIS METAL HAS NOT BEEN EXPOSED TO MERCURY OR MERCURY CONTAINING COMPOUNDS WHILE IN THE POSSESSION OF BRALCO METALS

Sold to: AVIBANK MFG PO: 723554 Part: Order No.: 168555

TR clerk signature:

Frederic Conway

CERTIFICATE OF CONFORMANCE

JESSE'S PLATING

12229 MONTAGUE ST.
PACOIMA, CA 91331
818-899-4600 VOICE
818-899-0771 FAX


Date	Invoice #
7/6/2012	47984

Bill To

AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605

AS9100 & ISO 9001 CERTIFIED

P.O. No.	Terms	Due Date	Rep	Ship Date	Ship Via	Project
728389	2% 15 Net 30	8/5/2012	JV	7/6/2012	Cust. Pickp	

Qty	Item	Description
6,010	5-4AB MIL-A-8625F	REV P BUTTON HANDLE ANODIZE PER MIL-A-8625F TYPE II CLASS 2 BLACK
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p>CERT REVIEW</p> <p>MAIN LOT # <u>1277850</u> <i>re 9/17/12</i></p> <p>COMPONENT LOT # <u>1277852</u></p> <p><u>KB20134</u></p> <p>NAME <u>BUTTON HANDLE</u></p> <p>CLERK: GV <u> </u> NCE <u> </u> DS <u> </u></p> </div> <div style="width: 55%;"> <p>Q. C. Review</p> <p>Sig. <u>Namaye</u></p> <p>Date <u>7/9/12</u></p> <p></p> </div> </div> <p>WE HEREBY CERTIFY THE ABOVE PARTS ARE PROCESSED IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS. TEST REPORTS ARE ON FILE. ANY DISCREPANCY MUST BE REPORTED WITHIN 24 HOURS.</p>		

BY: Jorge A Villagran JORGE A VILLAGRAN

TITLE: Q.A. Manager Q.A. MANAGER



Linear Motion. Optimized.

SHIP TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

CERTIFICATE OF CONFORMANCE

DELIVERY NAME:
2609579

DATE PRINTED:
18-APR-2012

PAGE:
1 of 1

SHIP FROM: Thomson Precision Ball - ABEK LLC
492 Birch Street
Bristol CT 06010
United States

Tel: (860) 314-3921 Fax: (860) 314-3942

BILL TO: AVIBANK MFG INC
11500 SHERMAN WAY
NORTH HOLLYWOOD CA 91605
United States

PICK-UP DATE: 18-APR-2012	SHIP METHOD: UPS-Truck-Ground	FREIGHT TERMS: COLLECT - FROM ORIGIN	FSCM:					
DELIVERY TERMS: EXWORKS FACTORY	TAX NAME: EXEMPT	CUSTOMER TAX NUMBER:	WAYBILL: 120176470366785705					
SHIPPING INSTRUCTIONS: ACCT# 60X10X		PACKING INSTRUCTIONS:						
ITEM NUMBER	REFERENCE ITEM	ITEM DESCRIPTION	CUSTOMER PO NO.	ORDER NO.	LINE ORDER NUMBER	UOM	QTY ORDERED	QTY SHIPPED
SS0078121CXXXDF	SS0078121CXXXDF	5/64 440C GRADE 100 DFAR - SS0078121CXXXDF	719868	1575256	2.1	MPC	187.0	187.0
COUNTRY OF ORIGIN: United States								
Lot Number		Quantity	Heat Number	Hardness Test	Hardness			
L0009439		55.0	G13158K02	HRC	60-62			
L0009290		66.0	732479	HRC	60-62			
L0009438		66.0	732479	HRC	60-62			
Heat Treated in accordance with AMS 2759. Material meets DFAR 252.225-7009:7014. Material certs meet ASTM F-2215.								
CERT REVIEW								
MAIN LOT # 1277850 1277852								
COMPONENT LOT # K320186								
NAME BALL								
CLERK: GV NC <input checked="" type="checkbox"/> DS								
NUMBER OF PACKAGES 1			GROSS WEIGHT 14.0 LB			VOLUME		
THE UNDERSIGNED, INDIVIDUALLY, AND AS THE AUTHORIZED REPRESENTATIVE OF DANAHER MOTION, WARRANTS AND REPRESENTS THAT; ALL THE INFORMATION SUPPLIED ABOVE IS TRUE AND ACCURATE; THE MATERIAL COVERED BY THIS CERTIFICATION CONFORMS TO ALL CONTRACT REQUIREMENTS (INCLUDING BUT NOT LIMITED TO THE DRAWING AND SPECIFICATIONS); THE INSPECTION AND THE ANALYSIS HEREIN ARE TRUE AND ACCURATE.								
These commodities if being exported from the United States must be exported in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited								
QUALITY ASSURANCE MANAGER AUTHORIZED SIGNATURE								

CERT REVIEW

MAIN LOT #

1277850

COMPONENT LOT #

1271159

NAME

SPINDLE

CLERK: GV NC DS

TRI STAR METALS, LLC.

1201 S. ADAMS AVE.

FREEPORT, IL 61032

An ISO 9001:2008 Registered Company

Q. C. Review

Sig.

Date

Nancy

7/12/12

Lot# 1268429

CERTIFICATE DATE: December 13, 2011 CUSTOMER: Copper & Brass
ORDER#: 181032 CUSTOMER PO#: 5400123555-R05
MATERIAL: 17-4PH ✓ DESCRIPTION: .130" X 12" ✓
HEAT NUMBER: 106032 ✓ QTY. SHIPPED: 1,024 LBS
CONDITION: Annealed

CHEMICAL COMPOSITION

C	Mn	Si	S	P	Ni	Cr	Mo	Other Elements
.02 ✓	.805 ✓	.282 ✓	.0192 ✓	.0224 ✓	4.766 ✓	15.404 ✓	.209 ✓	Cu=3.116 Nb=.202 ✓ Ta=.01

MECHANICAL VALUES

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
146	132	9	61	294 HB

H900F FOR 1HR AIR COOL ✓

TENSILE (KSI)	YIELD (KSI)	ELONGATION (%)	REDUCTION OF AREA (%)	HARDNESS
212	184	13	48	435 HB

ADDITIONAL REMARKS: ✓

This material meets the specifications for: ASTM A564-04, RoHS COMPLIANT,
✓ SAE AMS 5643R. DFARS COMPLIANT.

MATERIAL IS FREE FROM MERCURY CONTAMINATION. EN10204 3.1.B
MELT ORIGIN: FRANCE

MATERIAL IS MANUFACTURED IN THE UNITED STATES OF AMERICA

I hereby certify that this data is correct as contained in the records of this company.

QUALITY CONTROL REPRESENTATIVE: Janie Wells

Form# 7.0.0.4 Rev C

Janie Wells - QA Certification Technician

From: Copper and Brass Sales

Cust: AVIBANK MFG INC

Part: BCA0130

Wgt: 414.000 LB

Del: 2401953386

PO: 715829

Date: 07/11/2012

James K. Baber

CERTIFICATE OF CONFORMANCE

JESSE'S PLATING
 12229 MONTAGUE ST.
 PACOIMA, CA 91331
 818-899-4600 VOICE
 818-899-0771 FAX

Date	Invoice #
8/15/2012	48538

Bill To
AVIBANK MFG INC 11500 SHERMAN WAY NORTH HOLLYWOOD CA 91605

AS9100 & ISO 9001 CERTIFIED

P.O. No.	Terms	Due Date	Rep	Ship Date	Ship Via	Project
730142	2% 15 Net 30	9/14/2012	JV	8/15/2012	Cust. Pickp	

Qty	Item	Description
6,010	73-4AB MIL-A-8625F	REV D BUTTON ANODIZE PER MIL-A-8625F TYPE II CLASS 2 BLUE

CERT REVIEW

MAIN LOT # 1277850, 1277852
~~1280073, 1280074~~ Q. C. Review
 COMPONENT LOT # KB20219 Sig. [Signature]
 NAME BUTTON Date 8/15/12
 CLERK: GV NC DS DS

WE HEREBY CERTIFY THE ABOVE PARTS ARE
 PROCESSED IN ACCORDANCE WITH APPLICABLE
 SPECIFICATIONS. TEST REPORTS ARE ON FILE.
 ANY DISCREPANCY MUST BE REPORTED WITHIN 24
 HOURS.

BY: [Signature] JORGE A VILLAGRAN
 TITLE: QA Q.A. MANAGER **3 JP**

Gibbs Certificate of Analysis

Gibbs Wire & Steel Company, Inc. 3751 Olive Road, South Bend, Indiana 46628

AVIBANK MFG INC.
11500 SHERMAN WAY
NO. HOLLYWOOD CA 91605 USA

Date Shipped: 2/9/2012
Cust Order #: 721144
Amount Shipped: 22.00

Description: 0.0180" P/M.0004
17-7 PH COND. C GIBBSCOTE STAINLESS STEEL

Heat Number: 65044

Mill Coil ID:

Gibbs Coil ID:

Gibbs Number: 24650

To Certify that the material shipped against your above order number is in accordance with

Specification: ASTM A313-10 AMS 5678F TYPE 631

C:	0.0820	Mn:	0.8700	P:	0.0280	Sul:	0.0010
Si:	0.3400	Cr:	16.6400	Ni:	7.6800	Mo:	0.2600
Co:		Cu:	0.3500	N2:		Fe:	
Ti:		Al:	0.8700	Be:		W:	
Zn:		Sn:		Pb:		Cb:	
Ta:		V:					

PRE-HEAT

POST-HEAT

	MIN	MAX	MIN	MAX
Tensile Strength:	278,000	280,000	336,000	343,000
Condition CH900:				
Mill Source/Rod Source:	SUMIDEN		GR. BRITAIN	
Reduction of Area:				

MATERIAL FREE FROM MERCURY CONTAMINATION
COIL AND WRAP TEST GOOD
DFARS COMPLIANT

Q. C. Review

Sig. *JW*

Date 2-16-12

LOT# 1231700

Alison Fink

Gibbs Wire & Steel Company, Inc.
Certification Clerk

Alison Fink

CERT REVIEW

MAIN LOT # 1277850,

127852, 1280073, 1280074

COMPONENT LOT #

1C320197

NAME

SPRING

CLERK: GV ☐ NC ☒ DS ☐

GWS #: 578916

Tel: (574)234-6071; Fax: (574)237-0712

Order No: 3378664
Time 15:15:58



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

A08040
Cust. NO.: 723552
P.O. NO.:

CERTIFICATE OF COMPLIANCE

AVIBANK MFG INC
ATTN: ACCTS PAYABLE
P O BOX 9909
NORTH HOLLYWOOD CA 91609-1909

AVIBANK MFG
11500 SHERMAN WAY
***RECEIVING CLOSED 11:30-12**
NORTH HOLLYWOOD CA 91605-5827

03/20/12

QTY	--DESCRIPTION--	--ITEM CODE--	Q. C. Review	--HEAT NUMBER--
	CF 2024 T-4 QQA 225/6 RED		Sig. <i>24</i> Date 4-4-12	
317	BARS 5/16"RD 12'RL	84030	LOT# 1243816	11120223-1 <i>24</i>
96	BARS 3/8"RD 12'RL	84035		10003070006-2
1	BAR 7/16"RD 12'RL	84040		11060707-1
	EXT 2024 T3511 ALUM QQA 200/3 RED/WHITE STRIPE			
13	BARS 9/16"RD 12'RL	85808		ZW11040167
	CF 7075 ALUM QQA-255/9 BLACK			
8	BAR 5/8"RD 12'RL	85124		137826
	CONT'D*****			

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC,ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED
CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

CERT REVIEW

MAIN LOT # 1277850, 1277852,

1280077, 1280074
COMPONENT LOT #

KB20219

NAME

BUTTON

CLERK: GV — NC ~~X~~ DS —

Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER

11120223-1

元生實業股份有限公司

YUAN-SHENG ALUMINIUM MFG. CORP

www.ysal.com.tw

No. 58 Lane 1274, Chung Cheng Rd., Chung Li, Taoyuan, Taiwan, R.O.C.
TEL:886-3-4278991-6 / FAX:886-3-4222830 / E-mail: tw.qc@ysal.com.tw



RWTUV-9001
RWTUV-14001



CERTIFICATE OF QUALITY / 品質保證書

Sold by / 供應商: Yuan-Sheng Aluminium Mfg. Corp. / 元生實業
Ship to / 客戶: TUSKER INTERNATIONAL TRADING FRY STEEL
Order No. / 訂單編號: 46839-1
Material / 材質: 2024-T4 5/16" RD x 145"
Quantity / 數量: 2017 PCS
Lot No. / 批號: 11120223-1



Q. C. Review

Sig. 24

Date 4-4-12

LOT# 1243816

Specification / 標準: ASTM-B211 REV 03, AMS-4120 REV R, QQ-A-225/6 REV E, AMS-QQ-A-225/6 REV A

No / 項目	Items / 名稱	Requirement / 實測要求	Unit / 單位
1	Dimension / 規格:	0.312x145	in
2	Tensile Strength / 抗拉:	>62	ksi
3	Yield Strength / 降伏:	>45	ksi
4	Elongation / 引長:	>10	%
5	Hardness / 硬度:	>67	HRB
6	Chemical composition / 成分:		

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Max	Others Total	Others AL
0.50	0.50	3.8-4.9	0.3-0.9	1.2-1.8	0.1	0.25	0.15	0.05	0.15	rem

Quality checked / 品檢:

No / 項目	Items / 名稱	Measurement result / 實測結果	Unit / 單位
1	Dimension / 規格:	0.312x145	in
2	Tensile Strength / 抗拉:	63.09	ksi
3	Yield Strength / 降伏:	48.70	ksi
4	Elongation / 引長:	19.39	%
5	Hardness / 硬度:	70.3	HRB
6	Chemical composition / 成分:	OK	

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Max	Others Total	Others AL
0.3447	0.3130	4.0990	0.5910	1.5680	0.0134	0.1223	0.1142	0.05	0.15	92.8

Checked by / 測量: 楊青瑋

Approved by / 驗證: 周祖凱

Company stamp / 公司印章

Date / 日期: JAN. 17, 2012

Date / 日期: JAN. 17, 2012

Signature / 簽名: [Signature]

Signature / 簽名: [Signature]



This certificate is only validated when it is stamped / 品質保證書無公司印章無效

FEB 20 2012

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

BY [Signature]
CHIP SANDOVAL - Q.C. MANAGER

5/16 RD

CERTIFICATE OF TESTS

CERT SERIAL# 000808807



TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.
205 Talley Metals Lane
McBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

01/27/12

CUSTOMER/BESTELLER/CLIENT

COPPER AND BRASS SALES - WEST

13338 ORDEN DR
SANTA FE SPRINGS CA 90670

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

SELLER/VERKAUFER/VERENDR PAGE 1 OF 2

HVL

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERNE	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400123556-0010	W49866	01/27/12	5312.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE: G18563 ✓ UNS NUMBER S17400

PRODUCT DESCRIPTION: TYPE 17-4 SOLUTION ANNEALED COLD DRAWN ✓
PART NUMBER: SSRD00408

SPECIFICATION: TALLEY 174-T1A CAP OF H900 (01/11/99)

AMS 2303 REV F (08/ /10)
AMS 2315 REV F (01/ /08)
✓ AMS 5643 REV R (02/ /08)
ASTM-A484-11
ASTM-A564-10
ASME-SA564 2011 EDITION (TYPE 630)
ASTM-F899-11 (CHEM ONLY)

SIZE 0.255000 IN. (6.48 MM) RD BAR ✓

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM) 0.030 ✓	MN (XRF) 0.85 ✓	SI (XRF) 0.28 ✓	P (XRF) 0.020 ✓	S (COM) 0.023 ✓	CR (XRF) 15.38 ✓
NI (XRF) 4.26 ✓	MO (XRF) 0.34 ✓	CU (XRF) 3.76 ✓	N (FUS) 0.026	CB (XRF) 0.24 ✓	TA (XRF) LT .01

CB+TA
0.25

THIS HEAT MELTED BY THE ELECTRIC ARC/AOD PROCESSES

EDDY CURRENT TEST PERFORMED

MILL HEAT TREATMENT:

TYPE SOL ANL
TEMP 1900F (1037C) ✓
TIME (BATCH FURNACE) 1.50 HOURS
QUENCH WATER

DISCS MACROETCHED AND APPROVED

HARDNESS AS SHIPPED, HBW - 311 ✓

MAGNETIC PARTICLES: FREQUENCY = 0 / SEVERITY = 0

MICROSTRUCTURE - FERRITE 1.41% ✓

Q. C. Review

Sig. *Namaj*
Date 7/12/12

LOT # 1268667

(MIDRADIUS)
CERT REVIEW

MAIN LOT #
1277850 1280074
COMPONENT LOT #
1275932
NAME
BODY

CONTINUED ON NEXT PAGE

FROM: This certificate is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die Zertifikate sind nur für den Kunden, der sie in Auftrag gegeben hat, gültig. Carpenter übernimmt keine Haftung für die ausgetragenen Daten oder Zertifikatsangaben.

Cust: AVIBANK MFG INC

Del: 2401953388

Part: BCA0255

PO: 715829

Wgt: 1,033.000 LB

Date: 07/11/2012

James K. Baber

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000808807



TALLEY METALS
A Carpenter Company

Talley Metals Technology, Inc.
205 Talley Metals Lane
MoBee, SC. 29101 Tel: (610) 208-2000 (800) 338-4592

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
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- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

01/27/12

CUSTOMER/RESELLER/CLIENT

SELLER/VERKÄUFER/VENDEUR PAGE 2 OF 2

COPPER AND BRASS SALES - WEST

13338 ORDEN DR
SANTAFE SPRINGS CA 90670

HVL

CUSTOMER ORDER NO./BESTELL-NR./N° DE COMMANDE	CARPENTER NO./WERKS-NR./N° DE REFERENCE INTERME	DATE/DATUM/DATE	WEIGHT/GEWICHT/POIDS
5400123556-0010	W49866	01/27/12	5312.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE:

G18563 ✓

UNS NUMBER S17400

CAPABILITY

✓ 900 F (482 C), 01 HR

AIR COOL

(T) RANSVERSE (L) ONGITUDINAL
YIELD STRENGTH, (0.20 %) KSI (MPA)
TENSILE STRENGTH, KSI (MPA)
ELONGATION IN 1.00", %
REDUCTION OF AREA, %
HARDNESS, HBW

L
213.0 (1469)
218.0 (1503)
15.0
55.0
427.0

(CONVERTED FROM TENSILE STRENGTH)

NO WELD REPAIR PERFORMED
MATERIAL PRODUCED ON THIS ORDER WAS MELTED AND MANUFACTURED IN THE U.S.A. ✓
MATERIAL HAS BEEN MELTED IN USA OR QUALIFYING COUNTRY TO DFARS REQUIRE-
MENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1,
SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.
THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS
OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE
PURCHASE ORDER AND SPECIFICATION REQUIREMENTS. CERTIFICATE OF TEST IS
PREPARED IN ACCORDANCE WITH PARAGRAPH 3.1 OF EN 10204 (DIN50049)

TIMOTHY DUVALL
QUALITY ASSURANCE REP.
CARPENTER TECHNOLOGY CORPORATION

Q. C. Review

Sig. *James K. Baber*

Date 7/12/12

LOT # 1268667

Timothy M. Duvall

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
From: Die vorliegende Zertifikatsbescheinigung ist nur für den Empfänger des Kaufordres gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgetragenen Daten oder Zertifikatsangaben.

Cust: AVIBANK MFG INC

Del: 2401953388

Part: BCA0255

PO: 715829

Wgt: 1,033.000 LB

Date: 07/11/2012

James K. Baber



171 Central Avenue
Hillside, New Jersey 07205
Phone: 973-826-4242 ~ Fax: 973-926-1832
Internet: www.ecdwire.com

"Carbon, Alloy and Stainless Steel Wire"

PRODUCT CERTIFICATION

SALES ORDER / REL
121129 / 0

HEAT NUMBER
CAR-732479
WORK ORDER
528303

SOLD TO

Abbott Ball Company
19 Railroad Place
P.O. Box 330100
West Hartford, CT 06133-0100
USA



PAGE 1

CUSTOMER P.O. 213737	CUSTOMER PART 07530440	CERTIFICATION DATE 04/30/2007								
PART NUMBER ABB0750APC440C										
Finish Size =0750										
Tol =+.0010 -.0010										
Grade =440C										
Process =Anneal in Process										
Quality =Cold Heading Quality										
Tensile =90-125000 psi										
Coil Weight =1000 lbs										
Carrier Weight =1000 lbs										
Customer Part # =07530440										
CERTIFICATION REQUIREMENTS AMS 5630; QQS 763										
Chemical										
C	Cr	Cu	Mn	Mo	Ni	N	P	Si	S	Co
1.02	16.8	.08	.36	.43	.15	.021	.016	.77	.001	.03
Physical										
Country of Origin USA		Country of Melt USA								
Physical Test Results										
TEST	RESULTS	U/M								
Diameter	.0744	Inch								
Tensile	122000	PSI								

I certify that the results are a true and correct copy of the records prepared and maintained by ECD, Inc. Chemistry is as reported by the wire rod mill.

Authorized Signature
QSR-824-840 REV A 11/01/03

CONTROLLED COPY

